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(54) **Sealed inductor connection using litz wire**

(57) An inductor, 10, comprises a ferromagnetic core, 12, a litz wire conductor, 16, encircling the ferromagnetic core, 12, a housing, 22, a bobbin, 14, a conductive pin, 18, and a seal assembly. The housing, 22, encloses the ferromagnetic core, 12, and the litz wire conductor, 16. The conductive pin, 18, is conductively attached to the litz wire conductor, 16, and extends therefrom to form an external electrical contact. The bobbin, 14, supports the litz wire conductor, 16, and positions the conductive pin, 18, in alignment with an aperture, 26, in the housing, 22, which is sealed against fluid egress by the seal assembly.

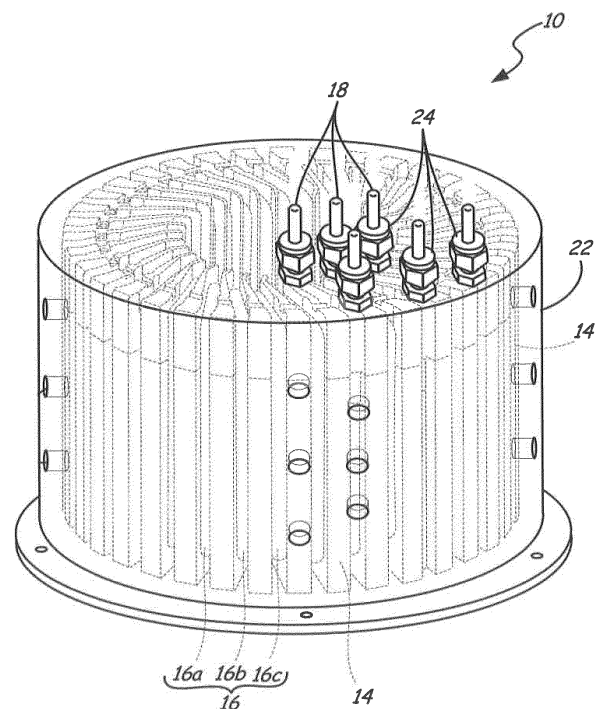


FIG. 3

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EUROPEAN SEARCH REPORT

Application Number
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Place of search Munich		Date of completion of the search 14 October 2016	Examiner Gols, Jan
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